

SHOWA CORPORATION
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CLAIM AMENDMENTS

1. (Currently Amended) A drive system switching control method of a four-wheeled vehicle for switching two drive systems, a two-wheel drive and a four-wheel drive, comprising the steps of:

detecting a steering angle; and

inhibiting the drive system switching based only on the one parameter alone of whether the detected steering angle is over a predetermined angle.

2. (Previously Presented) A drive system switching control method of a four-wheeled vehicle for manual switching between two drive systems, a two-wheel drive and a four-wheel drive, comprising the steps of:

detecting a steering angle and a vehicle speed;

comparing the detected steering angle and vehicle speed with a corresponding relationship between the steering angle and the vehicle speed; analyzing a predetermined drive system switching so as to determine whether or not the manual drive system switching is allowed; and

inhibiting only the drive system manual switching step from both two to four and four to two wheel drive modes if it is determined that the drive system switching is not allowed.

3. (Previously Presented) A drive system switching control method of a four-wheeled vehicle for manual switching between two drive systems, a two-wheel drive and a four-wheel drive, comprising the steps of:

detecting a steering angle and a vehicle speed;

comparing the detected vehicle speed with a relationship of an allowable steering angle; analyzing the drive system switching in correspondence to a predetermined vehicle speed so as to determine an allowable steering angle in correspondence to the vehicle speed; and

inhibiting only the drive system manual switching step from both two to four and four to two wheel drive modes if the detected steering angle is over the determined allowable steering angle.